

1. A method of manipulating a stream of video data in a CableCARD device, comprising:

receiving a stream of video data from a host, the stream of video data being encoded according to a first coding;

5 transcoding the stream of video data to convert the stream of video data to a second coding, producing a transcoded data stream; and  
sending the transcoded data stream back to the host.

10 2. The method according to claim 1, wherein the stream of video data includes encrypted data.

3. The method according to claim 2, further comprising decrypting the encrypted data.

15 4. The method according to claim 3, further comprising encrypting the transcoded data stream.

5. The method according to claim 1, wherein the second coding comprises MPEG compliant coding.

20 6. The method according to claim 1, wherein the CableCARD comprises an OpenCable™ compliant CableCARD.

25 7. The method according to claim 1, wherein the second coding comprises MPEG 2 compliant coding, and wherein the first coding comprises one of MPEG 4 compliant coding, MPEG 7 compliant coding, Wavelet compression coding, and AVC coding.

8. A method of manipulating a stream of video data in a CableCARD device, comprising:

receiving a stream of video data from a host, the stream of video data being encrypted and encoded according to a first coding;

5 decrypting the encrypted data;

transcoding the stream of video data to convert the stream of video data to a second coding, producing a transcoded data stream;

encrypting the transcoded data stream; and

10 sending the encrypted transcoded data stream back to the host.

9. The method according to claim 8, wherein the second coding comprises MPEG compliant coding.

10. The method according to claim 8, wherein the CableCARD comprises an  
15 OpenCable™ compliant CableCARD.

11. The method according to claim 8, wherein the second coding comprises  
MPEG 2 compliant coding, and wherein the first coding comprises one of MPEG  
4 compliant coding, MPEG 7 compliant coding, Wavelet compression coding, and  
20 AVC coding.

12. A CableCARD device for manipulation of a stream of data, comprising:  
means for receiving a stream of video data from a host, the stream of video data being encoded according to a first coding;

5 a transcoder that transcodes the stream of video data to convert the stream of video data to a second coding, producing a transcoded data stream; and  
means for sending the transcoded data stream back to the host.

13. The CableCARD device according to claim 12, wherein the stream of video data includes encrypted data.

10

14. The CableCARD device according to claim 13, further comprising a decrypter that decrypts the encrypted data.

15. The CableCARD device according to claim 14, further comprising an encrypter that encrypts the transcoded data stream.

15

16. The CableCARD device according to claim 12, wherein the second coding comprises MPEG compliant coding.

17. The CableCARD device according to claim 12, wherein the CableCARD comprises an OpenCable™ compliant CableCARD.

20

18. The CableCARD device according to claim 12, wherein the second coding comprises MPEG 2 compliant coding, and wherein the first coding comprises one of MPEG 4 compliant coding, MPEG 7 compliant coding, Wavelet compression coding, and AVC coding.

25

30

19. A CableCARD device for manipulation of a stream of data, comprising:  
means for receiving a stream of video data from a host, the stream of video  
data being encrypted and encoded according to a first coding;  
a decrypter that decrypts the encrypted data;  
5 a transcoder that transcodes the stream of video data to convert the stream  
of video data to a second coding, producing a transcoded data stream;  
an encrypter that encrypts the transcoded data stream; and  
means for sending the encrypted transcoded data stream back to the host.

10 20. The method according to claim 19, wherein the second coding comprises  
MPEG compliant coding.

15 21. The method according to claim 19, wherein the CableCARD comprises an  
OpenCable™ compliant CableCARD.

20 22. The method according to claim 19, wherein the second coding comprises  
MPEG 2 compliant coding, and wherein the first coding comprises one of MPEG  
4 compliant coding, MPEG 7 compliant coding, Wavelet compression coding, and  
AVC coding.

25

25